Information Systems Equipment

The contractor's information systems must conform to P.S. 1237.10, <u>BOP Network Standards Manual</u>. The BOP shall provide the following:

Frame Relay Circuit to the BOP's Network Control Center (CSU/DSU, Router, Dial-up Modem).

For connection to the BOP WAN, the contractor is require to provide:

1.   Any required extension of the telecommunications Dmarc (including any inside wiring)

2.   DB-9 token ring connection from the Novell LAN to the Sprint provided router to allow connection to the BOP WAN.

3.   A dedicated dial-up phone line within six feet of the Government furnished router for remote diagnostics.

To connect to the BOP LAN, the contractor shall provide the following:

1.   Token ring cable plant which consists of multi-mode fiber optic backbone and IBM Type-1 shielded twisted pair cable lobes.

2.   Administrative file server (suggest Compaq Proliant 6500 or 7000 Xeon Rack mounted) which must be Novell 4.11 and 5.x certified. This server must have a minimum four 18.1 GB drives in an internal RAID 5 array system, 256 Mb of memory, CD-ROM drive and software maintenance.

3.   LAN hubs (suggest Bay Networks with Optivity) for workstation connections and Powerchute UPS.

4.   Network interface cards (recommend Olicomm PCI), cables and Powerchute UPS for the servers and workstations on the LAN.

5.   DLT Library ARCSERVE 6.x & changer option (50-100 DLT tapes recommended)

For the Application Server the following are required:

1.   Application database server that must be Microsoft Windows NT Server (suggest Compaq Proliant 6500 or 7000 Xeon Rack mounted) 4.x and 5.x certified. This server must have a

minimum of dual 200 MHZ Pentium Pro processors, 256 Mb of memory, four 4.3 Gb hard drives in an internal RAID 5 array system, a DAT Tape drive, a stand-alone 4.3 Gb drive and a CD-ROM drive.

2.   Network backup - External DLT tape library system (Arcserve 6.x with Oracle agent, changer, and 50-100 DLT tapes) for database and DAT tape unit (20-30 DAT tapes) for system logs.

3.   Uninterrupted power supply

All contractor network operating system software, applications software and configurations shall be of the same release, version and configuration used by the BOP throughout the life of the contract. The contractor shall be advised of changes to software and configurations requirements by the BOP in the same manner as BOP facilities are notified.

Minimum software requirements include:

1.   Novell 5.x.
2.   GroupWise 5.x.
3.   WordPerfect 8.0.
4.   Windows NT workstation 4.x or above.
5.   Oracle 8.x Server for Windows NT, Enterprise Version (SENTRY inmate data) and Oracle TCP/IP & SPX Adapter 8.0.4.0.0, with required support files 8.0.4.2.6, Net 8 Client (replaces SQL*Net), 8.0.4.0.0, and SQL*Plus 8.0.4.0.0.
6.   Windows NT Server & Workstation 4.x with maintenance.
7.   Command Anti-Virus for Netware and Inoculan for Windows NT Apps Server with maintenance.
8.   Lotus 1-2-3.
9.   Network Software Associate's NS Elite Win 95/NT clients.
10. Firesign's Outbound Client file transfer software and Outbound for NT Server

All Internet protocol addresses shall be obtained from the BOP. Networks shall not be connected to any other external network. The GroupWise system shall be a secondary domain. Shared Network printers shall connect directly to the network.

All contractor standard LAN workstations shall include:

1.   Pentium Workstation - 100% IBM compatible, minimum 32 MB Ram, minimum 1 GB hard drive, 1 MB video memory, minimum 14" SVGA monitor, Windows NT workstation 4.x or above, 1.44 MB 3.5" Floppy Disk Drive, System Mouse, CD-ROM drive.

2.   Fully 100% HP-compatible Laser/Inkjet network/local printers

The following equipment is recommended in order for the BOP to assist the contractor with network problem resolution.

1.   Network Associates Token Ring Distributed Sniffer, PN: DCS-DRCT-NA-SN-XXX (X=denotes number of nodes on network) and console software, PN: DCS Desktop nodes per node subscription for X number of nodes. NOTE: The Sniffer hardware is currently a customer supplied PC with two NIC cards with the Sniffer software installed.

2.   Bay Networks Active Token Ring IP managed hubs.

3.   Bay Networks hub management - Optivity Campus V 7.0.

4.   Olicomm PCI Token Ring NIC cards.